

(C) Amendments to the Claims:

Please amend the claims as shown in the following listing of claims:

Listing of Claims:

Claim 1 (Currently Amended): A functionalized polymer having a structure represented by the following formula (1):



wherein, W denotes a carbohydrate chain including a structure corresponding to at least a portion of the basic skeletal structure of a glycosaminoglycan and comprising 2-50 constituent disaccharide units having an average of at least one sulfate group, X, Y and Z denotes any substituent group including a hydrogen atom, and n denotes the number of repeating ~~unit~~ units of at least 1.

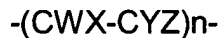
Claim 2 (Original): A functionalized polymer in accordance with claim 1, characterized in that said carbohydrate chain is a decomposed carbohydrate chain obtained by chemical decomposition of a natural glycosaminoglycan, and said decomposed carbohydrate chain is bonded to the polymer main chain via a functional group formed by said chemical decomposition.

Claim 3 (Original): A functionalized polymer in accordance with claim 1 or 2, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 5 (Withdrawn): A medical instrument characterized by being surface-modified by a functionalized polymer in accordance with any one of claims 1-3.

Claim 6 (Original): A cell growth control agent characterized by containing a functionalized polymer in accordance with any one of claims 1-3.

Claim 7 (Currently Amended): An agent for preventing reconstriction of a blood vessel comprising a functionalized polymer, said functionalized polymer having a structure represented by the following formula (1):



wherein, W denotes a carbohydrate chain including a structure corresponding to at least a portion of the basic skeletal structure of a glycosaminoglycan and comprising 2-50 constituent disaccharide units having an average of at least one sulfate group, X, Y and Z denotes any substituent group including a hydrogen atom, and n denotes the number of repeating ~~unit~~ units of at least 1.

Claim 8 (Previously Added): The agent of claim 7, characterized in that said carbohydrate chain is a decomposed carbohydrate chain obtained by chemical decomposition of a natural glycosaminoglycan, and said decomposed carbohydrate chain is bonded to the polymer main chain via a functional group formed by said chemical decomposition.

Claim 9 (Previously Added): The agent of claim 7, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 10 (Previously Added) The agent of claim 8, characterized in that said glycosaminoglycan is heparin/heparan sulfate, chondroitin sulfate, dermatan sulfate or a partially desulfated modification thereof.

Claim 11 (New): A functionalized polymer in accordance with claim 1 wherein the polymer main chain is a vinyl polymer.

Claim 12 (New): A functionalized polymer in accordance with claim 11 wherein the polymer main chain is hydrophobic and said carbohydrate chain is hydrophilic.